

**PMP20047\_LMG3410\_CC REV A Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB500	1		PMP20047_LMG3410_CC	Any	Printed Circuit Board	
C500	1	22uF	GRM21BC81C226ME44L	MuRata	CAP, CERM, 22 µF, 16 V, +/- 20%, X6S, 0805	0805
C501, C502, C512, C513	4	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C503, C509, C514, C517	4	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0402	0402
C504, C505, C506	3	0.01uF	GRM31BR72J103KW01L	MuRata	CAP, CERM, 0.01uF, 630V, +/-10%, X7R, 1206	1206
C507, C508, C515, C516	4	20pF	GRM1555C1H200JA01D	MuRata	CAP, CERM, 20pF, 50V, +/-5%, C0G/NP0, 0402	0402
C511, C518	2	2.2uF	885012106018	Wurth Elektronik	CAP, CERM, 2.2 µF, 16 V, +/- 20%, X5R, 0603	0603
D500	1	1.7V @ 1A	UFM15PL-TP	MCC	DIODE UFAST 1A 600V POWERLITE123	eg: 0603, used in PnP report
D501	1	13V	MMSZ4700T1G	ON Semiconductor	Diode, Zener, 13 V, 500 mW, SOD-123	SOD-123
D502	1	30V	BAT54A-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
J500	1		PPPC032LJBN-RC	Sullins Connector Solutions	Receptacle, 2.54mm, 3x2, Gold, R/A, TH	Receptacle, 2.54mm, 3x2, R/A, TH
J501	1		PPPC022LJBN-RC	Sullins Connector Solutions	CONN FEMALE 4POS DL .1" R/A GOLD	5.58x5x8.5 mm
L500, L501	2	22uH	BRC2518T220K	Taiyo Yuden	Inductor, Wirewound, 22 µH, 0.49 A, 0.56 ohm, SMD	1007(2518)
Q500, Q501	2		LMG3410RWHR	Texas Instruments	600-V 12-A Single Channel GaN Power Stage, RWH0032A	RWH0032A
R500	1	20	CRCW060320R0JNEA	Vishay-Dale	RES, 20 ohm, 5%, 0.1W, 0603	0603
R501, R508	2	20.0	CRCW040220R0FKED	Vishay-Dale	RES, 20.0, 1%, 0.063 W, 0402	0402
R503, R511	2	20.0	CRCW060320R0FKEA	Vishay-Dale	RES, 20.0, 1%, 0.1 W, 0603	0603
R504, R509	2	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10k ohm, 5%, 0.063W, 0402	0402
R505, R512	2	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2 k, 1%, 0.063 W, 0402	0402
R506	1	1.5k	CRCW06031K50JNEA	Vishay-Dale	RES, 1.5k ohm, 5%, 0.1W, 0603	0603
R507	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
U500	1		DCP021212U	Texas Instruments	Miniature, 2 W Isolated Unregulated DC-DC Converter, -40 to 85 degC, 12-pin SOP (DVB12), Pb-Free (RoHS)	DVB0012A
U501, U502	2		ISO7821FDWR	Texas Instruments	DGTL ISO 5.7KV 2CH 16SOIC	DW0016B
C510, C519	0	100pF	CC0402JRNPO9BN101	Yageo America	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	0402
R502, R510	0	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10k ohm, 5%, 0.063W, 0402	0402

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